

In the Specification

Kindly replace the paragraph [0005] on Page 2 with the following:

However, in many situations, a localized temperature-modifying device such as a ~~standalone~~ stand alone air conditioner or a space heater may be used to heat or cool one particular room or area. Many of these localized systems have the significant disadvantage that they are not programmable, and cannot take advantage of the energy efficiency and controllability that programmable thermostats offer. These localized temperature-modifying devices typically have just a temperature sensor and a switch, which actuates the heating/cooling unit in the event the sensed temperature falls/rises beyond the set point temperature.

Kindly replace the paragraph [0013] on Page 3 with the following:

DETAILED DESCRIPTION

The invention will be understood more fully from the detailed description given below and from the accompanying drawings of the preferred embodiments of the invention; which, however, should not be taken to limit the invention to a specific embodiment, but are for explanation and understanding only.

Kindly replace the paragraph [0015] on Page 4 with the following:

Controller 105 may also be removeably engaged to one or more temperature-modifying devices 107, which are typically a localized heating or cooling system for the medium whose temperature is being controlled, such as a ~~standalone~~ stand alone air conditioner, space heater, etc., Temperature-modifying devices 107 are not particularly limited, however, and may comprise any devices capable of being removeably connected to thermostat 101 through one or more power couplers 120. Power couplers 120 may comprise any mechanism for allowing

thermostat 101 to be removeably engaged to temperature-modifying devices 107, such as a conventional plug and electrical outlet, male and female connectors, etc.

Kindly replace the paragraph [0020] on Page 5 with the following:

A comparison device 109 may be used to compare ambient temperature of the medium to be controlled with the desired control temperature, as determined by programming device 104 and stored in memory 108. Comparison device 109 may detect the current ambient temperature by using a conventional temperature-sensing device, such as a thermistor, thermocouple, or other type of temperature transducer.

Kindly replace the paragraph [0028] on Page 8 with the following:

A schematic an embodiment of a controller 105 of the invention for use with the aforementioned temperature control, fan control, and filter usage counter is illustrated in Figures 3(a)-(b). As shown in Figures 3(a)-(b), a microprocessor may be powered by a DC power board, and, in turn, power an LCD display. The microprocessor may have a plurality of outputs to individual segments on the LCD display for outputting information thereto to be viewed by the user. The microprocessor may also include the plurality of inputs/outputs to a temperature modifying device and to a series of switches (e.g., next, hold, down, and up). One of these switches SW2, may be selectable in this example, between a weekday program, a weekend program, date and time selection, setting the fan control information, and running or operating the thermostat. By selecting one of these positions in SW2, the user may designate which aspect of the programming (e.g., temperature control, etc.) setting may be inputted into the microprocessor using the remaining switches. Of course, those of ordinary skill in the art will appreciate that this is only one possible embodiment of the invention and is not limited thereto.